### PATENT COOPERATION TREATY

# **PCT**

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
PCTP173004A	ACTION as wel	as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/NL2004/000531	23/07/2004	28/07/2003
Applicant	*	
		*
VMI EPE HOLLAND B.V.		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Authorsmitted to the International Bureau.	ority and is transmitted to the applicant
This International Search Report consists	of a total of 10 sheets.	
X It is also accompanied by	a copy of each prior art document cited in this	report.
language in which it was filed, unle	nternational search was carried out on the basess otherwise indicated under this item.  search was carried out on the basis of a translate 23.1(b)).	is of the international application in the
	tide and/or amino acid sequence disclosed i	n the international application, see Box No. I.
		-8-
2. X Certain claims were four	nd unsearchable (See Box II).	
3. X Unity of invention is lack	ing (see Box III).	
4. With regard to the title,		
X the text is approved as sub		
the text has been establish	ed by this Authority to read as follows:	
	*	
		*
5. With regard to the abstract,		
the text is approved as sub	mitted by the applicant	
. · = ·	ed, according to Rule 38.2(b), by this Authority	as it appears in Box No. IV. The applicant
may, within one month from	the date of mailing of this international search	report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pu		<del></del>
as suggested by th	• • • • • • • • • • • • • • • • • • • •	
	Authority, because the applicant failed to suggi	
	Authority, because this figure better characterize published with the abstract.	tes the invention.
Tone of the figures is to be	published with the abstracts.	

Form PCT/ISA/210 (first sheet) (January 2004)

International application No.

PCT/NL2004/000531.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The invention relates to a tread (1) application device for applying a tread on a building drum (20) for a tyre, comprising a tread conveying device (15) for conveying a tread to a building drum, from a feed side (12) of the tread conveying device to a discharge side (13) of the tread conveying device in a conveyance direction, and a positioning device (14) for positioning the tread on the building drum, wherein the positioning device comprises measuring means (17) for determining the position of a segment of the tread and generating a position value, displacement means for displacing a segment of the tread with a displacement directional component parallel to the axis (21) of rotation of the building drum, and control means (28), connected to the measuring means and the displacement means, for on the basis of the position value controlling the displacement device during the application of the tread on the building drum.

#### International application No. PCT/NL2004/000531

## INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X	Claims Nos.: 40,41
<u></u>	because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  See FURTHER INFORMATION sheet PCT/ISA/210
з. 🔲	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
	the lating (Continuation of floor 2 of fivet cheet)
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
-1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
•	
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	restricted to the invertion hist mentioned in the organis, it is developed by statute visiting.
· ·	
Remark	con Protest The additional search fees were accompanied by the applicant's protest.
	X No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 40,41

Claims 40 and 41 contravene PCT Rule 6.2 (a).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

A device for conveying a strip-shaped material, comprising a main conveyor belt and auxiliary feed and discharge conveyor belts placed on both sides of the main conveyor belt, wherein two slit-shaped openings are provided, each slit-shaped opening being arranged between feed conveyor belt and discharge conveyor belt on each side of the main conveyor belt.

2. claims: 18-39

A device for conveying a tread band to a tyre building drum, comprising: a measuring device, a device for applying lateral displacement and a control unit for controlling the lateral displacement of the tread, and a method of controlling lateral displacement of the tread strip during its application onto the building drum.

International Application No PCT/NL2004/000531

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B29D30/30 B29D30/58 B65H23/02 B65H20/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29D B65H. B65G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. DATABASE WPI Week 199619 1-7. Derwent Publications Ltd., London, GB; AN XP002309733 -& JP 08 058958 A (SATO SEISAKUSHO) 5 March 1996 (1996-03-05) 11,12 abstract; figures 5,1 PATENT ABSTRACTS OF JAPAN vol. 0176, no. 79 (M-1527) 14 December 1993 (1993-12-14) -& JP 05 229032 A (TOYO TIRE & RUBBER CO LTD), 7 September 1993 (1993-09-07) abstract; figures 1,2 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 1 9, 04, 2005 10 March 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fregosi, A ... Fax: (+31-70) 340-3016

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	C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	1 01/1122004/ 000331
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	А	US 4 386 273 A (JONES ROBERT F) 31 May 1983 (1983-05-31) column 2, line 66 - column 3, line 68; figures 1-8	1,8-11,
V	A &	EP 0 844 067 A (BRIDGESTONE CORP) 27 May 1998 (1998-05-27) cited in the application figures 1-4	1-17
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	Α	GB 1 254 391 A (SVECIA SILKSCREEN MASKINER) 24 November 1971 (1971-11-24) figures 1,2	1
V	×	US 4 359 675 A (MILLER, III ET AL) 16 November 1982 (1982-11-16) cited in the application column 4, line 47 - column 5, line 6 column 5, line 66 - column 6, line 22 figures 1-3	18-20, 25,28, 29,36-39
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